
Product Data Sheet

Product Name: IL10RB Human
 Cat. No.: GP20545
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Interleukin-10 receptor subunit beta; IL-10 receptor subunit beta; IL-10R subunit beta; IL-10RB; Cytokine receptor class-II member 4; Cytokine receptor family 2 member 4; CRF2-4; Interleukin-10 receptor subunit 2; IL-10R subunit 2; IL-10R2; CDw210b; IL10RB.		
Amino Acid Sequence	MVPPPENVRM NSVNFKNILQ WESPFAKGN LTFTAQYLSY RIFQDKCMNT TLTECDFSSL SKYGDHTRLV RAFADEHSD WVNITFCPVD DTIIGPPGMQ VEVLADSLHM RFLAPKIENE YETWTMKNVY NSWTYNVQYW KNGTDEKFQI TPQYDFEVLN NLEPWTTYCV QVRGFLPDRN KAGEWSE PVC EQTTHDETVP SLEPKSCDKT HTCPPCPAPE LLGGPSVFLF PPKPKDTLMI SRTPEVTCVV VDVSHEDPEV KFNWYVDGVE VHNAKTKPRE EQYNSTYRVV SVLTVLHQDW LNGKEYKCKV SNKALPAPIE KTISKAKGQP REPQVYTLPP SRDELTKNQV SLTCLVKGFY PSDIAVEWES NGQPENNYKT TPPVLDS DGS FFLYSKLTVD KSRWQQGNVF SCSVMHEALH NHYTQKSLSL SPGKHHHHHH.		
Formulation	IL10RB protein solution (1.0mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

IL10 is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract.

Caution: Product has not been fully validated for medical applications. For research use only.

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Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage, it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

IL10RB Human Recombinant produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 440 amino acids (20-220 a.a.) and having a molecular mass of 50.5kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). IL10RB is expressed with a 239 amino acids hlgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

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